

Converting Colors

XYZ(33.5848, 41.3203, 48.6123)

Have a look what the booklet for
XYZ(33.5848, 41.3203, 48.6123)
contains.

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Color

**XYZ(33.6170, 41.2226,
48.8328)**

Conversions

Conversions Part 1

Format	Color
Hex	7FB6B3
RGB	127, 182, 179
RGB Percent	50%, 71%, 70%
CMY	0.5020, 0.2863, 0.2980
CMYK	0.30, 0.00, 0.02, 0.29
HSL	177°, 27%, 61%
HSV	177°, 30%, 71%
XYZ	33.6170, 41.2226, 48.8328
YIQ	165.2130, -31.8170, -12.5930

Conversions

Conversions Part 2

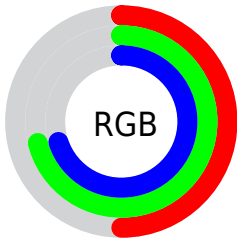
Format	Color
RYB	127, 155, 182
Decimal	8369843
CIELab	70.33, -18.52, -4.24
CIELCh	70, 19.000, 192.902
Yxy	41.2226, 0.2718, 0.3333
Android (android.graphics.Color)	4286559923 (0xFF7FB6B3)
YUV	165.2130, 6.7970, -33.5128
Hunter-Lab	64.2048, -18.8977, -0.1513

Details

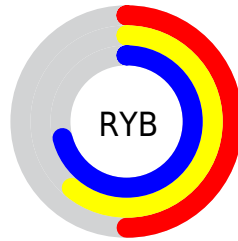
The XYZ color **33.6170, 41.2226, 48.8328** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.9114, 26.7366, 24.6521**, and the grayscale version is **35.8466, 37.7135, 41.0700**.

A 20% lighter version of the original color is **64.6260, 76.9710, 90.0480**, and **14.5178, 18.7027, 22.5835** is the 20% darker color. If you saturate the color by 10%, you get **31.0477, 39.9107, 48.1908**, and if you desaturate by 10%, it is **36.6791, 42.7906, 49.5034**.

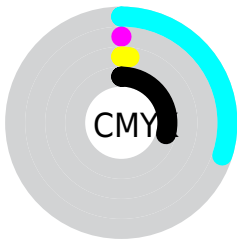
Distribution



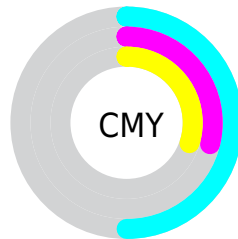
- Red (50%)
- Green (71%)
- Blue (70%)



- Red (50%)
- Yellow (61%)
- Blue (71%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)



- Cyan (50%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6170, 41.2226, 48.8328 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.6170, 41.2226, 48.8328 by changing the saturation by 10% instead.

■ 33.6170, 41.2226,
48.8328

■ 33.6170, 41.2226,
48.8328

310.0369,
351.2501, 398.6872

■ 22.7610, 28.4931,
34.1222

■ 64.6859, 77.0217,
89.8215

■ 14.5369, 18.6977,
22.7094

■ 85.6295, 100.8600,
116.9367

■ 8.5792, 11.4520,
14.1758

■ 110.6664,
129.1701, 149.0238

■ 4.5226, 6.3717,
8.1029

140.1618,
162.3363, 186.5013

■ 2.0018, 3.0724,
4.0721

174.4813,
200.7430, 229.7879

■ 0.6350, 1.1697,
1.6650

213.9900,

■ 0.0000, 0.0367,

244.7746, 279.3021

0.3366

259.0535,
294.8155, 335.4624

■ 0.0000, 0.0000,
0.0000

■ 33.6170, 41.2226,
48.8328

■ 33.6170, 41.2226,
48.8328

■ 31.0477, 39.9107,
48.1908

■ 36.6791, 42.7906,
49.5034

■ 28.9411, 38.8362,
47.5733

■ 40.2548, 44.6222,
50.2010

■ 27.2697, 37.9859,
46.9799

■ 44.3681, 46.7308,
50.9275

■ 26.0014, 37.3434,
46.4092

■ 49.0403, 49.1275,
51.6840

■ 25.0995, 36.8897,
45.8594

■ 54.2917, 51.8227,
52.4714

■ 24.5212, 36.6027,
45.3284

■ 60.1415, 54.8264,
53.2907

■ 24.1817, 36.4386,
44.8233

■ 66.6081, 58.1479,
54.1426

■ 66.9328, 58.3030,
54.7109

■ 67.0396, 58.3457,
55.2729

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.7198, 41.2226, 40.0182



33.6170, 41.2226, 48.8328



34.9469, 41.2226, 57.6317

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.6170, 41.2226, 48.8328



43.4102, 41.2226, 58.6892



40.9720, 41.2226, 30.3785

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.6170, 41.2226, 48.8328



30.9114, 26.7366, 24.6521

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.7437, 41.2226, 34.1707



33.6170, 41.2226, 48.8328



45.2018, 41.2226, 50.1299

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.6170, 41.2226, 48.8328



40.5363, 41.2226, 63.8101



45.3270, 41.2226, 41.1548



37.8560, 41.2226, 30.1282

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.6170, 41.2226, 48.8328



36.5101, 41.2226, 61.9908



45.3270, 41.2226, 41.1548



41.9788, 41.2226, 31.2557

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.6182, 41.2243, 48.8337



73.7275, 81.2800, 91.1482



29.8684, 39.7886, 26.1851



16.0594, 17.8371, 20.0903



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.6182, 41.2243, 48.8337



57.8698, 73.1632, 87.7812



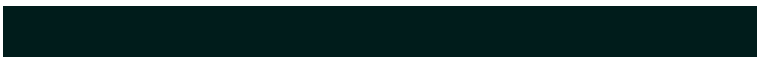
29.4524, 32.4013, 48.9597



9.2449, 10.2019, 11.4472



17.0842, 25.7346, 31.6951



0.6087, 0.9098, 1.1515

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.9114, 26.7366, 24.6521



52.2048, 42.8293, 37.1618



34.1634, 33.5584, 24.7562



9.0240, 9.0200, 9.4736



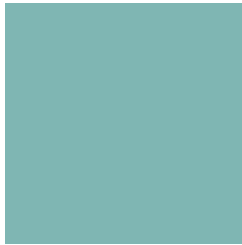
13.6699, 7.0417, 0.8825



0.4886, 0.2509, 0.0666

Previews

White Background



This preview shows how the XYZ color 33.6170, 41.2226, 48.8328 looks on a white background.

Color Contrast Check

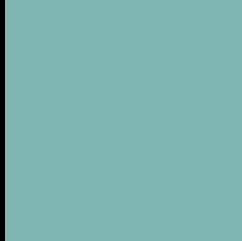
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.6170, 41.2226, 48.8328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

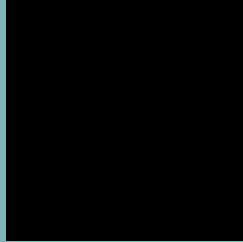
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6170, 41.2226, 48.8328

Background



This preview shows how black text looks on a background with the XYZ color 33.6170, 41.2226, 48.8328.

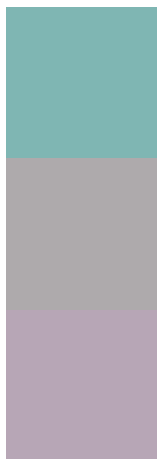


This preview shows how white text looks on a background with the XYZ color 33.6170, 41.2226,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.6170, 41.2226, 48.8328

Protanopia

39.2767, 40.7267, 44.8207

Deuteranopia

41.6082, 40.7171, 49.9222



Tritanopia

35.2648, 41.2834, 57.1488

Trichromacy



Original Color

33.6170, 41.2226, 48.8328

Protanomaly

36.7785, 40.5353, 46.4431

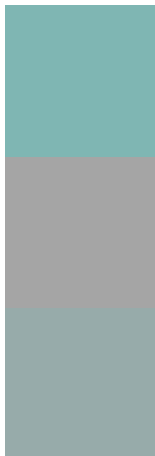
Deuteranomaly

38.1973, 40.6278, 49.5448

Tritanomaly

34.7624, 41.3890, 54.3008

Monochromacy



Original Color

33.6170, 41.2226, 48.8328

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.5811, 38.6074, 43.6596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6170, 41.2226, 48.8328 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(127, 182, 179)` looks like.

```
.text, #text, p{  
    color:rgb(127, 182, 179)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(127, 182, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 182, 179) }
```

Border

The CSS property to change the border of an element to XYZ 33.6170, 41.2226, 48.8328 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 182, 179) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(127, 182, 179) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(127, 182, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 182, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 182, 179);  
box-shadow:4px 4px 4px 4px rgb(127, 182,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6170, 41.2226, 48.8328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 182, 179) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(127,  
182, 179) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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